### **UTILITY PATENT APPLICATION TRANSMITTAL** (Large Entity)

SEC.1101

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

Docket No.

### TO THE COMMISSIONER FOR PATENTS

**Mail Stop Patent Application** P.O. Box 1450 Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utili	ty patent application for an
invention entitled:	

nvent	ion e	ntitle	<b>d</b> :									
MI	ЕТНС	D O	F ANI		PPARATUS F							U.S. PTO 5770
and in	vente	ed by	:									40
KI	RK, ] M, Ta OOK,	e-Joo	wan on ig-Ch	oul								2226
If a C	ONT	INUA	TION	I AP	PLICATION,	chec	k appropi	riate bo	x and suppl	ly i	the requisite information:	
	Conti	inuat	ion		Divisional		Continu	ation-ir	n-part (CIP)	)	of prior application No.:	
Whic	h is a	:										
	Conti	inuat	ion		Divisional		Continu	ation-ir	n-part (CIP)	)	of prior application No.:	1,44
Whic		,										
	Conti	inuat	ion		Divisional		Continu	ation-ir	n-part (CIP)	)	of prior application No.:	
Enclo	sed a	are:										
							Appli	ication	Elements			
1.	X	Filin	g fee	as o	calculated and	d trar	nsmitted a	as descr	ibed below			
2.	×	Spe	cifica	tion	having		19		pages and	in	cluding the following:	
	a.	⊠.	Des	cripti	ive Title of the	e Inve	ention					
	b.		Cross References to Related Applications (if applicable)									
	C.		Statement Regarding Federally-sponsored Research/Development (if applicable)									
	d.		Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix									
	e.	×	Back	kgro	und of the Inv	entic	on					
	f.	×	Brief	f Sur	mmary of the	Inve	ntion					
	g.	X	Brief Description of the Drawings (if filed)									
	h.	×	Detailed Description									
	i.	×	Claim(s) as Classified Below									
	j.	×	Abst	ract	of the Disclos	sure						

## UTILITY PATENT APPLICATION TRANSMITTAL (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. SEC.1101

Total Pages in this Submission

				Application I	Elements (	(C ntinued)						
3.	X	Draw	ring(s) <i>(when nece</i>	essary as prescribed	l by 35 US	C 113)						
	a.	X	Formal	Number of Sheet	s	6						
	b.		Informal	Number of Sheet	3							
4.	×	Oath	or Declaration									
	a.	$\boxtimes$	Newly executed (	original or copy)	☐ Une	executed						
	b.		Copy from a prior	application (37 CFF	(1.63(d))	for continuatio	n/divisional application only)					
	C.	X	With Power of Atte	orney 🔲 Witho	out Power	of Attorney						
	d.		_	<u>IVENTOR(S)</u> attached deleting in 3(d)(2) and 1.33(b).	ventor(s) r	named in the	prior application,					
5.		The unde	Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.									
6.		CD F	ROM or CD-R in d	uplicate, large table	or Comput	ter Program (	(Appendix)					
7.		Appli	ication Data Shee	t (See 37 CFR 1.76)	1							
8.		Nucl	eotide and/or Ami	no Acid Sequence S	ubmission	(if applicable	e, all must be included)					
	a.		Computer Readal	, ,								
	b.		Specification Seq	•								
				l or CD-R (2 copies)	; or							
			ii. 🗆 Paper			. = .						
	C.	Statement(s) Verifying Identical Paper and Computer Readable Copy										
				Accompany	ing Applic	ation Parts						
9.	X	Assignment Papers (cover sheet & document(s))										
10.		37 C	37 CFR 3.73(B) Statement (when there is an assignee)									
11.		_	English Translation Document (if applicable)									
12.		Information Disclosure Statement/PTO-1449										
13.	X	Preliminary Amendment										
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)										
15. 16	×											
16.		3										
		u	First Class	Express Mail (Spec	сıту Label l	vo. <i>):</i>						

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

Docket No. SEC.1101

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

	Accompanying Application Parts (Continued)
17.	Additional Enclosures (please identify below):
	Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.	Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
	Warning
	An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

Page 3 of 4 PO1ULRG/REV06

### UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. SEC.1101

Total Pages in this Submission

#### Fee Calculation and Transmittal

#### **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee T tal Claims 10 - 20 = \$18.00 \$0.00 Indep. Claims 2 - 3 = 0 \$86.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 **BASIC FEE** \$770.00 OTHER FEE (specify purpose) \$40.00 ASSIGNMENT RECORDATION FEE **TOTAL FILING FEE** \$810.00 A check in the amount of \$810.00 to cover the filing fee is enclosed. ☑ The Director is hereby authorized to charge and credit Deposit Account No. 50-0238 as described below. ☐ Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Signature ADAM C. VOLENTINE Dated: OCTOBER 30, 2003 **REG. NO. 33289 VOLENTINE FRANCOS. PLLC** 12200 SUNRISE VALLEY DRIVE, SUITE 150 **RESTON VA 20191** CC: TEL. NO. (703) 715-0870